Managing the iPhone Development Process

Session 417

These are confidential sessions—please refrain from streaming, blogging, or taking pictures.

Managing the iPhone Development Process

Nitin Mishra
iPhone Developer Program

3G
9:42 AM
Phone
Mail
Safari
iPod

3G
9:42 AM
Text
Calendar
Photos
Camera
YouTube
Stocks
Maps
Weather
Clock
Calculator
Notes
Settings
iTunes
App Store
Skim Life
Phone
Mail
Safari
iPod

3G
9:42 AM
SMS
Text
Tuesday
9
Calendar
Photos
Camera
YouTube
Stocks
280
Maps
73°
Weather
Clock
Calculator
Notes
Settings
iTunes
App Store
Skim Life
Phone
Mail
Safari
iPod

1

0 1 2 3 4 5 6 7 8 9

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4V 7:36

3G
9:42 AM
SMS
Text
Tuesday
9
Calendar
Photos
Camera
YouTube
Stocks
280
Maps
73°
Weather
Clock
Calculator
Notes
Settings
iTunes
App Store
Skim Life
Phone
Mail
Safari
iPod

1

Installing Your Applications

Refining Your Applications

Submitting to the App Store

Using iPhone OS 3.0 Features

Preparing for Distribution

Setting Up for Development

iPhone Developer Program
Home
Team
Certificates
Devices
App IDs
Provisioning
Distribution
ID
Certificate
SDK
280
Steve
APPS
0123456789

Apple Developer Connection – iPhone Dev Center – Overview

Developer Connection

Dev Centers | ADC on iTunes | Support | Search ADC

iPhone Developer Program

Welcome, Team Leader | Edit Profile | Log out

Program Portal: Example Corp, Inc.

Exit Program Portal

- Home
- Team
- Certificates
- Devices
- App IDs
- Provisioning
- Distribution

Welcome to the iPhone Developer Program Portal

The iPhone Developer Program Portal is designed to take you through the necessary steps to test your applications on iPhone and iPod touch and prepare them for distribution.

Get your application on an iPhone with the Development Provisioning Assistant

As a Program Admin, you can use the Development Provisioning Assistant to create and install a Provisioning Profile and iPhone Development Certificate needed to build and install applications you're developing for iPhone and iPod touch.

Launch Assistant

Announcements

Mar 14, 2009 — **Get the App Store ready for your app**
Set up your iTunes Connect account today and submit your banking and tax information. In addition, you can review and accept the Paid Applications Agreement. Completing these steps now allows Apple to set up your App Store records while you are still in the process of developing and testing your application.

Feb 2, 2009 — **iPhone SDK 2.2.1 is required for development with devices updated to iPhone OS 2.2.1**

Portal Resources

Program Portal User Guide

How-To's

Setting up a Team
View video

Obtaining your Certificate
View video

Assigning Devices
View video

Creating your App IDs
View video

Creating Provisioning Profiles
View video

Support Resources

iTunes Connect Support
Find answers to questions about the iTunes Connect system, including uploading your application or finding a Finance Report.

Technical Support
Receive code-level, technical assistance for your specific development issue.

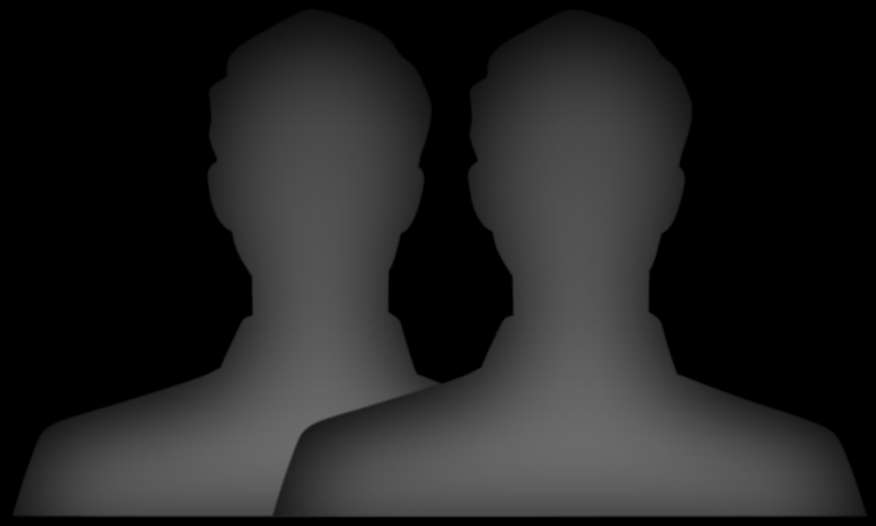
AT&T 3G
9:42 AM
SMS
Text
Wednesday
23
Calendar
Photos
Camera
YouTube
Stocks
280
Maps
73°
Weather
Clock
Calculator
Notes
Settings
iTunes
App Store
My App
Phone
Mail
Safari
iPod

PRO

PROV

ID

Certificate
Standard



Team Member

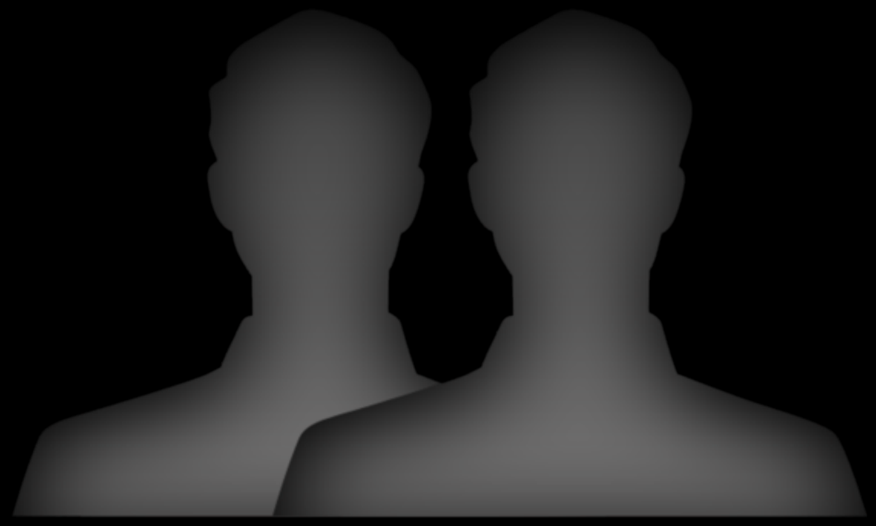
Team Admin

Team Agent

PROV

ID

Certificate
Standard



Certificate
Standard
iPhone
Development Code
Signing Certificate

Certificate
Standard
iPhone
Distribution Code
Signing Certificate

Certificate
Standard
Development
Push Notification SSL
Certificate

Certificate
Standard
Production
Push Notification SSL
Certificate

Certificate
Standard

Certificate
Standard
WWDR
Intermediate CA

Certificate
Root
Apple Root
CA

Keychain Access File Edit View Window Help

About Keychain Access
Preferences... ⌘,
Keychain First Aid ⌥⌘A
Certificate Assistant
Kerberos Ticket Viewer ⌥⇧⌘K
Services
Hide Keychain Access ⌘H
Hide Others ⌥⌘H
Show All
Quit Keychain Access ⌘Q

Open...
Create a Certificate...
Create a Certificate Authority
Create a Certificate For Some
Request a Certificate From
Set the default Certificate Au
Evaluate a Certificate...

Thu 5:58 PM

Leopard

CertificateSigningRequest.certS...gRequest

Apple Developer Connection – iPhone Dev Center – Certificates

Developer Connection

Dev Centers | ADC on iTunes | Support | Search ADC

iPhone Developer Program

Welcome, Team Agent | Edit Profile | Log out

Program Portal: Example Company, Inc.

Exit Program Portal

- Home
- Team
- Certificates
- Devices
- App IDs
- Provisioning
- Distribution

Development | Distribution | History | How To

Current Development Certificates

Your Certificate

Name	Provisioning Profiles	Expiration Date	Status	Action
Team Agent		04 Jun 2010	Issued	Download Revoke

*If you do not have the WWDR intermediate certificate installed, click here to download now.

Team Signing Requests (0)

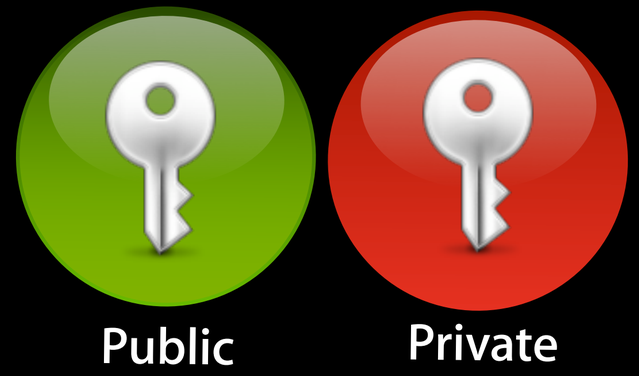
Signing Requests | Active Certificates

Name	Email	Status	Date Submitted

Your team currently does not have any active signing requests

Reject Selected | Approve Selected

Keychain Access
Click to lock the System Roots keychain.
Apple Root CA
Keychains
login
System
System Roots
Apple Root CA
Root certificate authority
Expires: Friday, February 9, 2035 1:40:36 PM PT
This certificate is valid
Name
Kind
Date Modified
Expires
Keychain
Apple Root CA
certificate
--
Feb 9, 2035 12...
System Roots
Category
All Items
Passwords
Certificates
My Certificates
Keys
Secure Notes
Keychain Access
Click to lock the System keychain.
Worldwide
Keychains
login
System
System Roots
Apple Worldwide Developer Relations Certification Authority
Intermediate certificate authority
Expires: Sunday, February 14, 2016 10:56:35 AM PT
This certificate is valid
Name
Kind
Date Modified
Expires
Keychain
Apple Worldwide Developer
certificate
--
Feb 14, 2016 1...
System
Category
All Items
Passwords
Certificates
My Certificates
Keys
Secure Notes
Keychain Access
Click to lock the login keychain.
Keychains
login
System
System Roots
iPhone Developer: Team Agent (5X2UD8Q6A4)
Issued by: Apple Worldwide Developer Relations Certification Authority
Expires: Friday, June 4, 2010 4:43:31 PM PT
This certificate is valid
Name
Kind
Expires
Keychain
iPhone Developer: Team Agent
certificate
Jun 4, 2010 12:...
login
Team Agent
private key
--
login
Category
All Items
Passwords
Certificates
My Certificates
Keys
Secure Notes


Public
Private

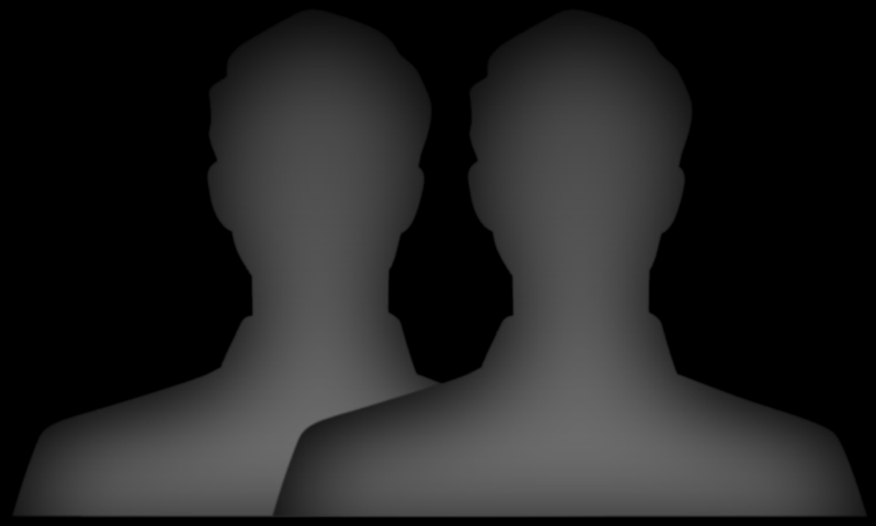
Related Sessions

Assigning Your Application an Identity with Code Signing	Nob Hill Tuesday 9:00AM

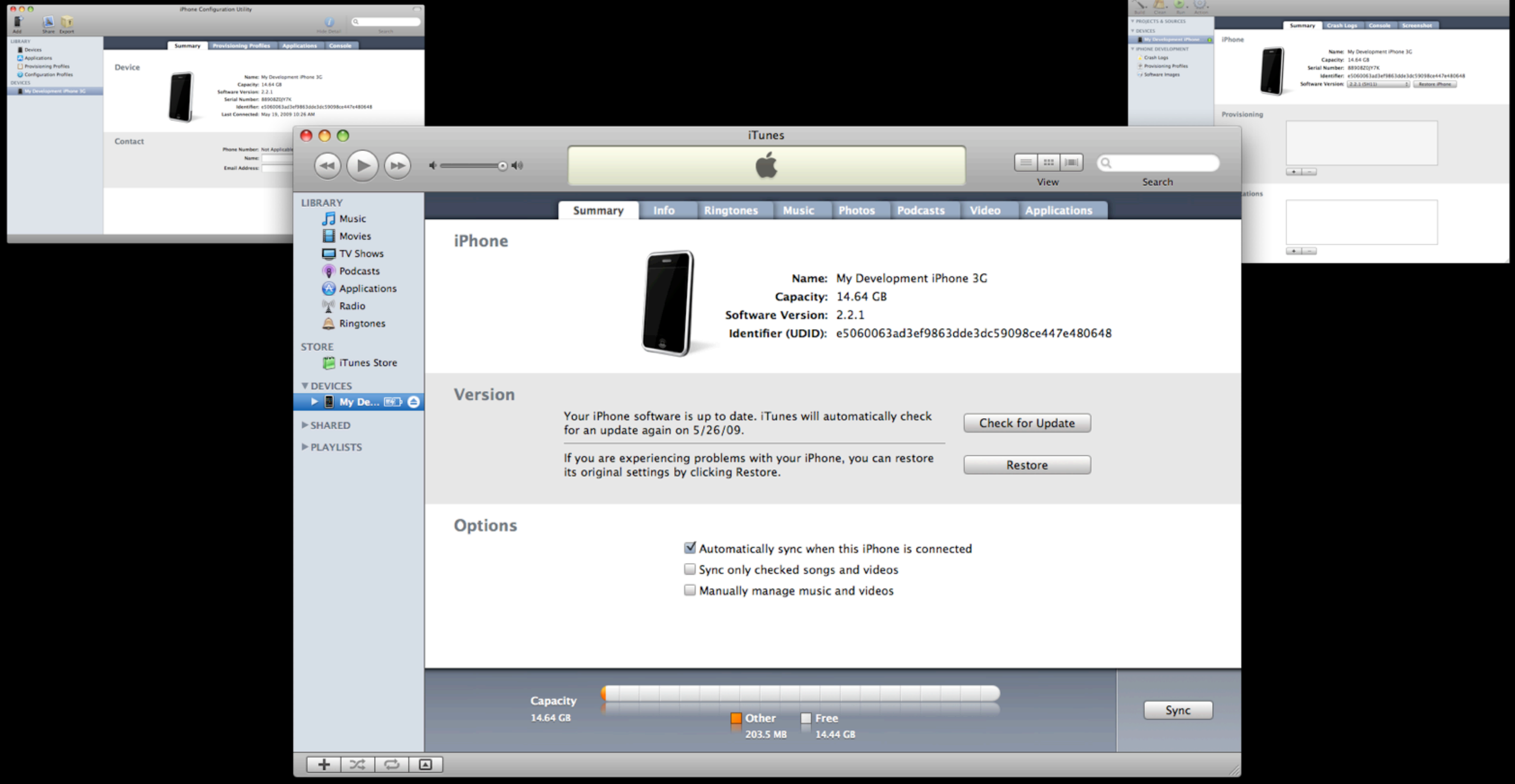
PROV

ID

Certificate
Standard



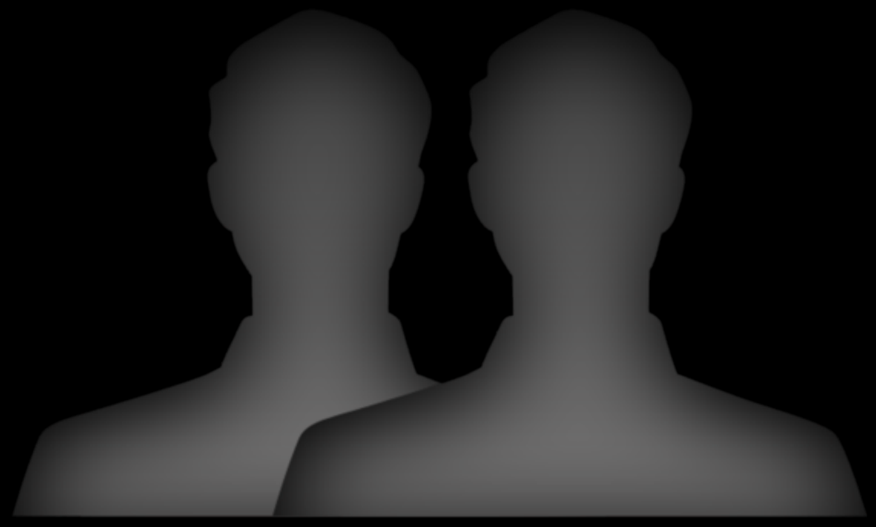
3G
9:42 AM
Messages
Calendar
Tuesday
9
Photos
Camera
YouTube
Stocks
Maps
280
Weather
73°
Voice Memos
Notes
Clock
Calculator
Settings
iTunes
App Store
Compass
Phone
Mail
Safari
iPod


iPhone Configuration Utility
Summary
Provisioning Profiles
Applications
Console
Device
Contact
Organizer
Crash Logs
Screenshot
iPhone
Provisioning
iTunes
View
Search
LIBRARY
Music
Movies
TV Shows
Podcasts
Applications
Radio
Ringtones
STORE
iTunes Store
DEVICES
SHARED
PLAYLISTS
Info
Ringtones
Music
Photos
Podcasts
Video
Applications
iPhone
Name: My Development iPhone 3C
Capacity: 14.64 GB
Software Version: 2.2.1
Identifier (UDID): e5060063ad3ef9863dde3dc59098ce447e480648
Version
Your iPhone software is up to date. iTunes will automatically check for an update again on 5/26/09.
Check for Update
If you are experiencing problems with your iPhone, you can restore its original settings by clicking Restore.
Restore
Options
Automatically sync when this iPhone is connected
Sync only checked songs and videos
Manually manage music and videos
Capacity
14.64 GB
Other
203.5 MB
Free
14.44 GB
Sync

PROV

ID

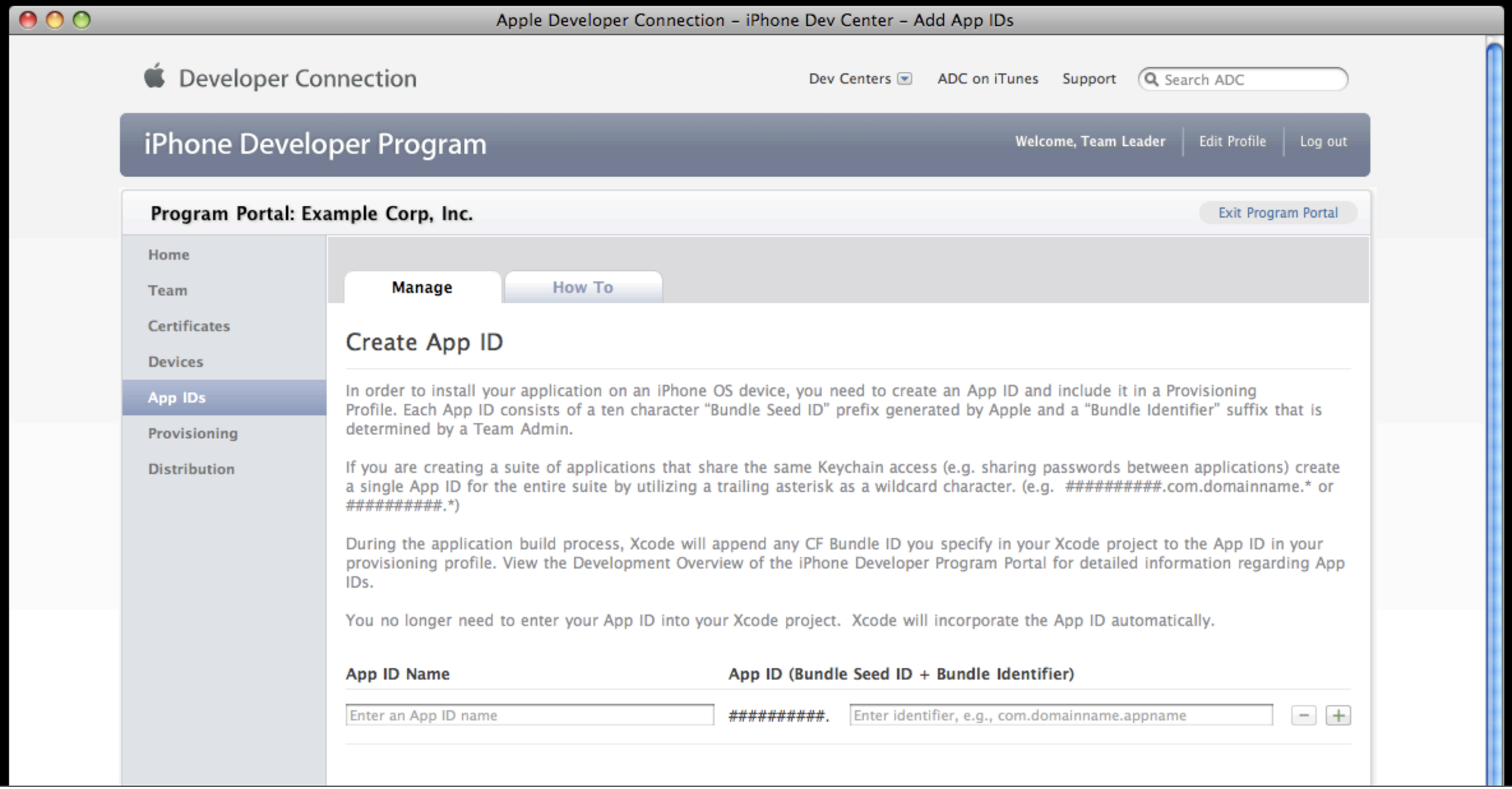
Certificate
Standard



App ID Prefix

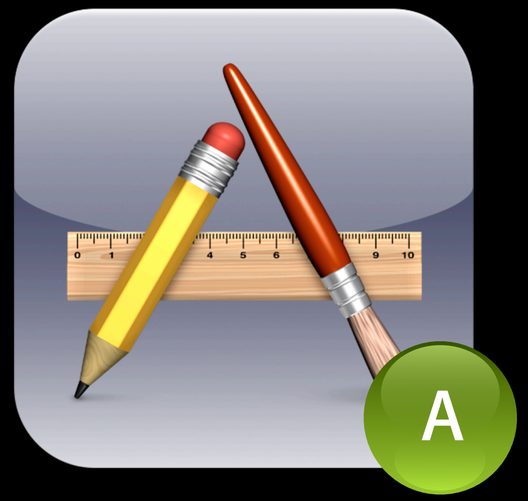
Bundle Identifier

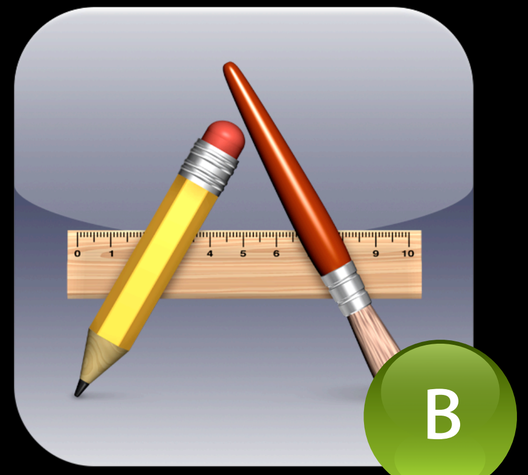
```
A1B2C3D4E5.com.domainname.ApplicationName
```

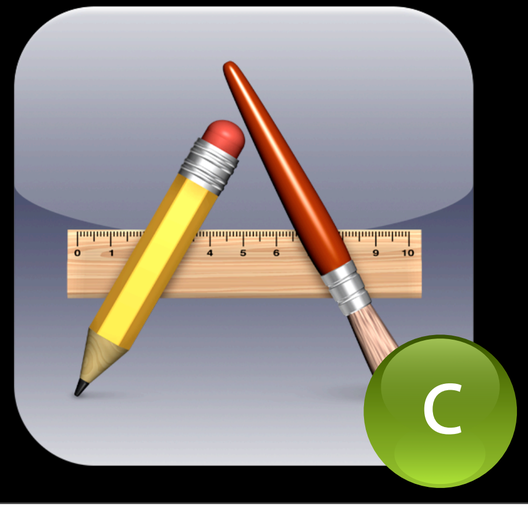


Wildcard App IDs

A1B2C3D4E5.*

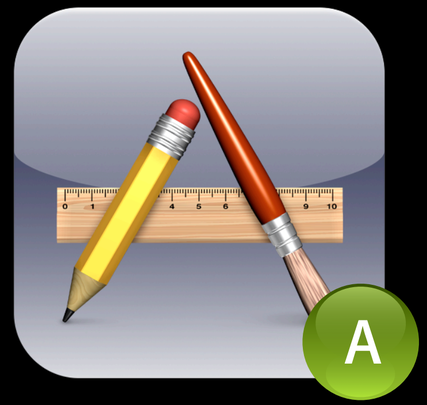




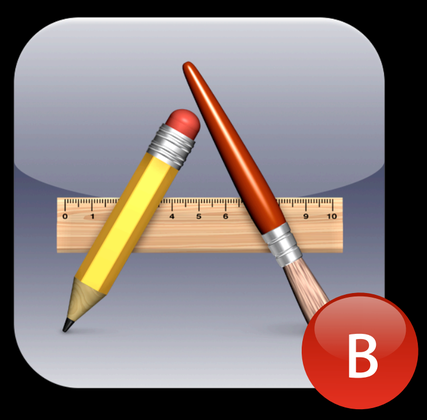


Explicit App IDs

A1B2C3D4E5.com.domainname.AppOne



A1B2C3D4E5.com.domainname.AppTwo

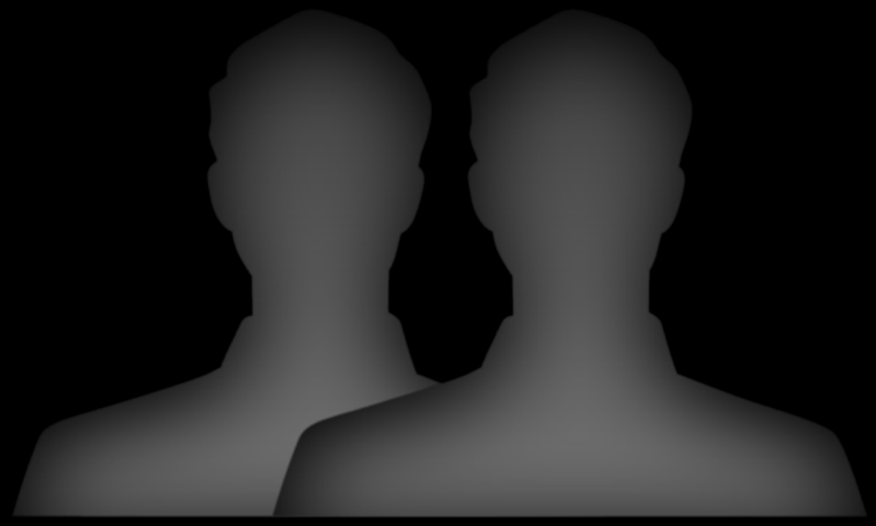


A1B2C3D4E5.com.domainname.AppThree

PROV

ID

Certificate
Standard

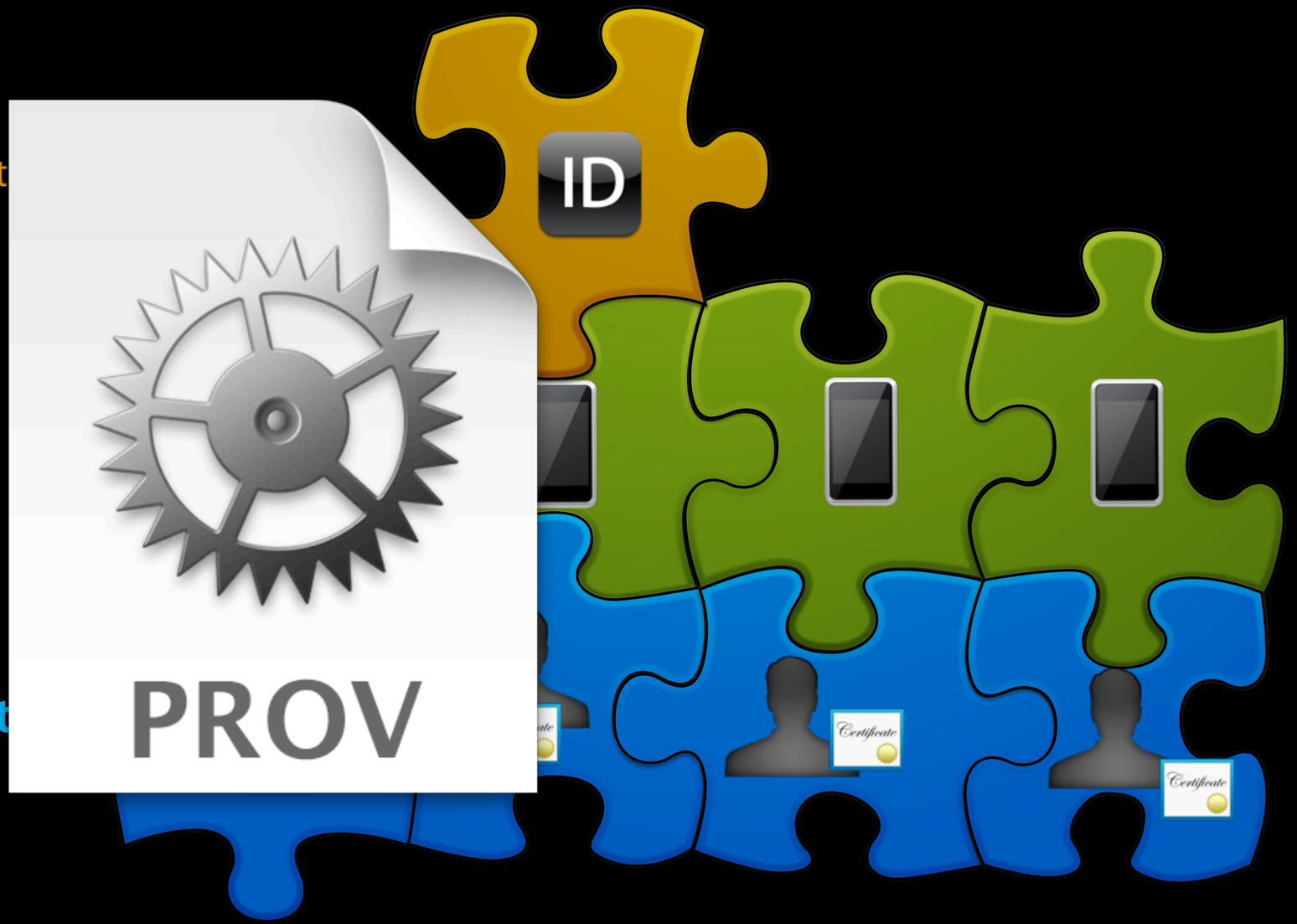


App ID

- Explicit for unique App Development
- Wildcard for all purpose use

Team Member Devices

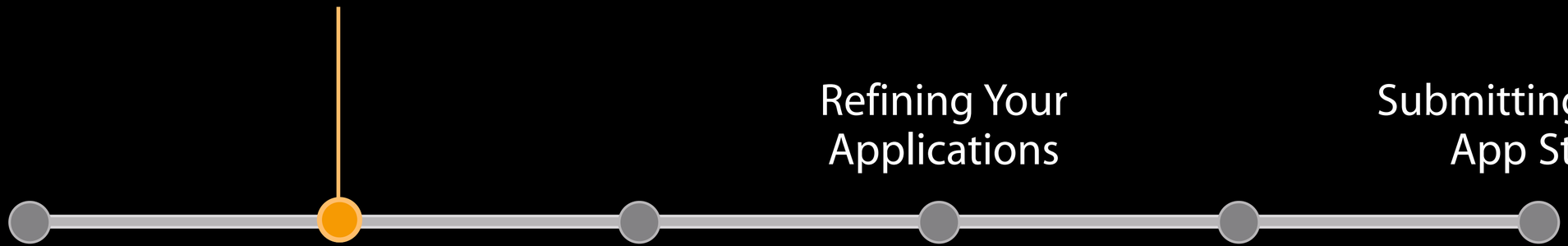
Development Team Certificat



3G
9:42 AM
Messages
Calendar
Photos
Camera
YouTube
Stocks
Maps
Weather
Voice Memos
Notes
Clock
Calculator
Settings
iTunes
App Store
Compass
Phone
Mail
Safari
iPod

PROV

Installing Your Applications



Setting up for Development

Using iPhone OS 3.0 Features

Preparing for Distribution

Demo

Building and installing with Xcode

Nitin Mishra and Clark Cox

Setting up for Development

Installing Your Applications

Refining Your Applications

Preparing for Distribution

Submitting to the App Store

Using iPhone OS 3.0 Features

1

8XQQV433MA.com.cocktaildb.CocktailDB

4W7MTF2FVC.com.plumamazing.PlumCaddy

C9G2UW4644.com.cbagwellconsulting.subwayn

U36P8L6KS4.com.salesforce.mobile

YDGG23K.com.edovia.translate

7QAT7UZ98B.com.plumamazing.PlumCaddy

FM6D48GC27.com.pangea.Enigmo

NH4784QS7R.com.unionhillsdental.musicrem

LKBZ83EJT5.com.pleasantsoftware.birdie

NA6JB6TE.com.nullriver.iTuner

AWU2N83PZS.com.droidspot.sudoku

M2HC38Y2NF.com.vegasmediagroup.travelm

7R4L347S74.com.MyWeather.MyWeathe

MUARY.com.mobileage.blackjack21

XSRC3GR6H9.de.cocoaheads.barcode

U36P8L6KS4.com.zenbe.lists

C72UA6ACZV.com.reduxdev.ProConvert

5PWTC9PX5D.com.firoozye.photofrolic

95MTEE98U9.com.aol.aim

FJHPST235J.com.droidspot.sudoku

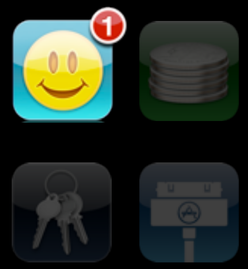
6U7GVBK73S.com.rationalmoon.Health

4236B92S86.com.murlon.jtimezone

3RGHEM2HMB.com.edovia.translate

C3HDEAX55P.com.jterhorst.asteroidgeoke

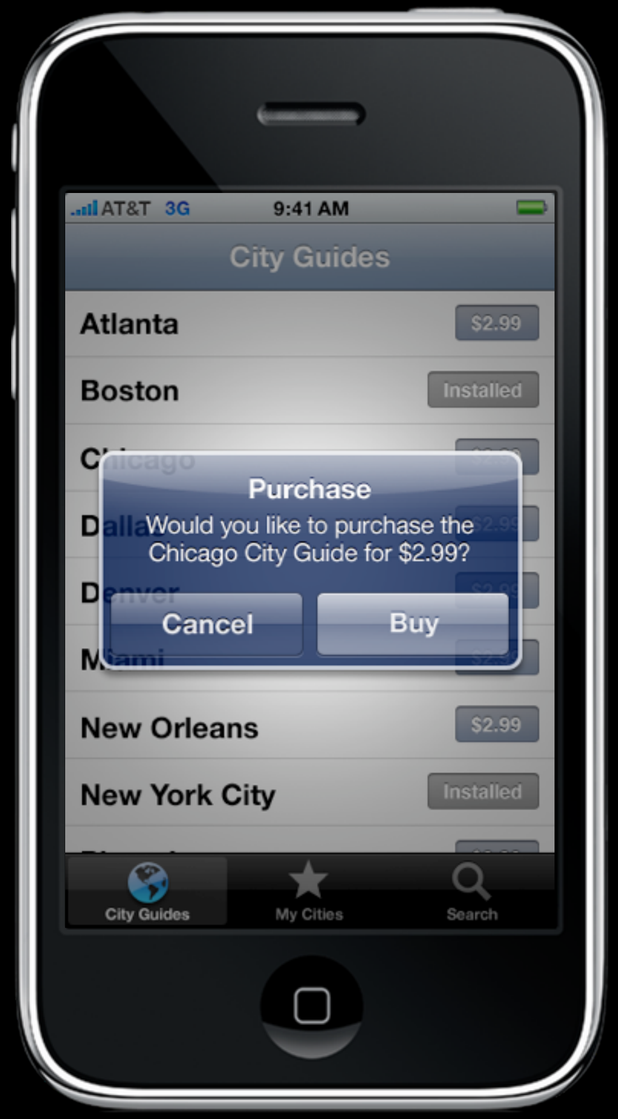
9P88TD56Q5.com.handmark.express



Apple Push
Notification Service

Related Sessions

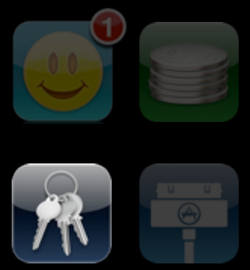
Apple Push Notification Service	Pacific Heights Tuesday 5:00PM


AT&T 3G
9:41 AM
City Guides
Atlanta
$2.99
Boston
Installed
Purchase
Would you like to purchase the Chicago City Guide for $2.99?
Cancel
Buy
New Orleans
$2.99
New York City
Installed
City Guides
My Cities
Search

iTunes Connect
Create New
Sign Out
Sales/Trend
Preview or do
reports here.
Contracts, Tax
Request Contra
banking and ta
Financial Repor
View and downl
reports.
Manage Users
Create and manag
App Purchase Tes
our applications in the
hases
Purchases for paid
ee downloads of
Having a problem uploading your application?
Can't find a Finance Report? Use our Contact Us
Go Back
Home | FAQs | Sign Out
Copyright © 2009 Apple Inc. All rights reserved. Terms of Service
Choose File
Cancel
Save Changes
Configure

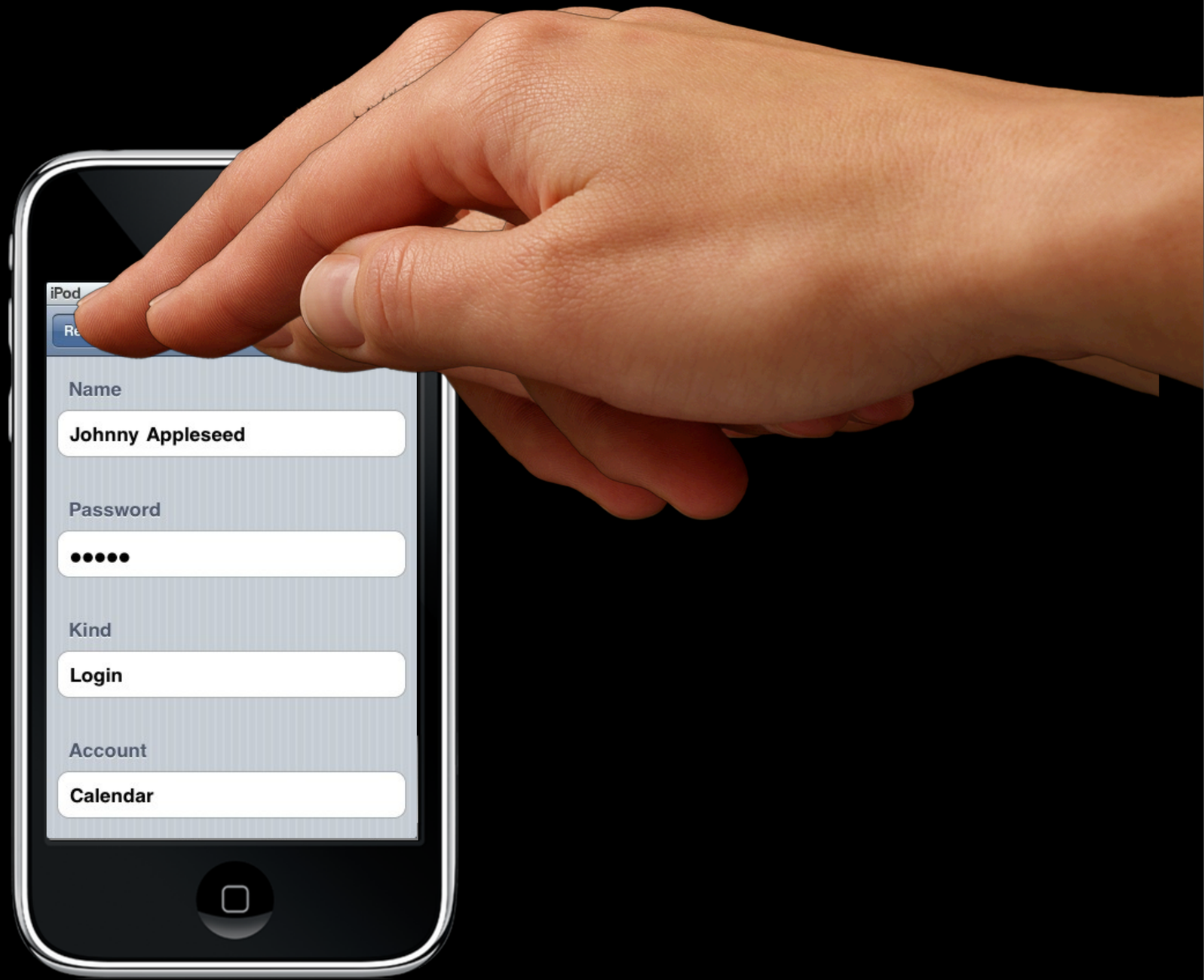
Related Sessions

In App Purchase on iPhone	Presidio Wednesday 10:30AM



App ID Prefix

A1B2C3D4E5.



3 Define your keychain access group in your code

```
[keychainData setObject:@ “A1B2C3D4E5.YOURACCESSGROUPNAME” forKey:(id)kSecAttrAccessGroup];
```

KeychainWrapper.m – MyKeychainApp

Device – 3.0 | Debug — Overview

Action

Build and Go

Tasks

Info

String Matching — Search

Groups & Files

- MyKeychainApp
  - ReadMe.txt
  - Classes
  - Other Sources
  - Resources
  - Frameworks
  - Products
  - Entitlements.plist
- Targets
  - MyKeychainApp
- Executables
- Errors and Warnings
- Find Results
- Bookmarks
- SCM
- Project Symbols
- Implementation Files
- NIB Files

File Name	Code
Info.plist	
KeychainWrapper.h	
KeychainWrapper.m	✓
main.m	✓
MainWindow.xib (en)	
PasswordCell.h	
PasswordCell.m	✓
ReadMe.txt	
Security.framework	

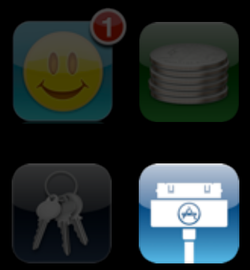
KeychainWrapper.m:208 — -resetKeychainItem

```
// Set Keychain Access Group Name

 [keychainData setObject:@"A1B2C3D4E5.YOURACCESSGROUPNAME" forKey:(id)kSecAttrAccessGroup];
```

Related Sessions

In-House App Development for iPhone	Mission Tuesday 5:00PM
Creating Secure iPhone and Mac OS X Applications	Russian Hill Tuesday 5:00PM



AT&T 3G
9:41 AM
Songs
The Great Equalizer
BOOST
FLAT
CUT
60 HZ
320 HZ
1 KHZ
5 KHZ
12 KHZ

Related Sessions

Creating iPhone Apps that Communicate with Accessories	Mission Wednesday 2:00PM

Refining Your Applications

Installing Your Applications

Submitting to the App Store

Setting up for Development

Using iPhone OS 3.0 Features

Preparing for Distribution

Administering a Beta Program

Christian Wagner
Journeyman Cat Herder

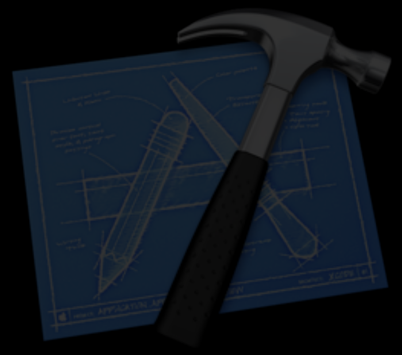
PROV

MyApp Feedback
MyApp Feedback
Things are looking great! Here's the issues I saw in the beta you sent out:
The icon seems fuzzy
The maps place me far from home
The restaurants are smaller than I like
Your app is looking great!
Best,
Charles

Demo

Administrating a beta program

PROV



MyApp Feedback
MyApp Feedback
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Setting up for Development

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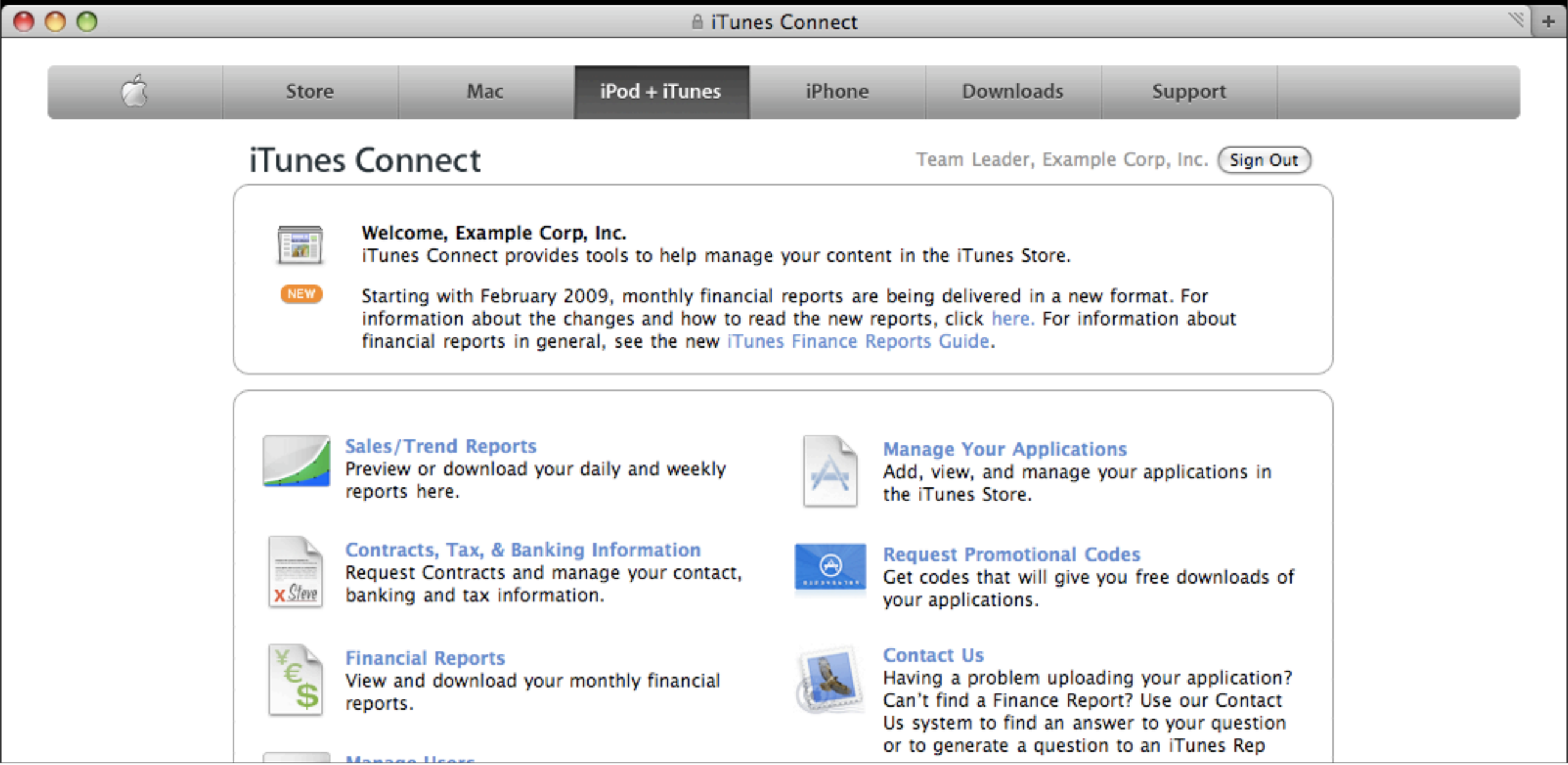
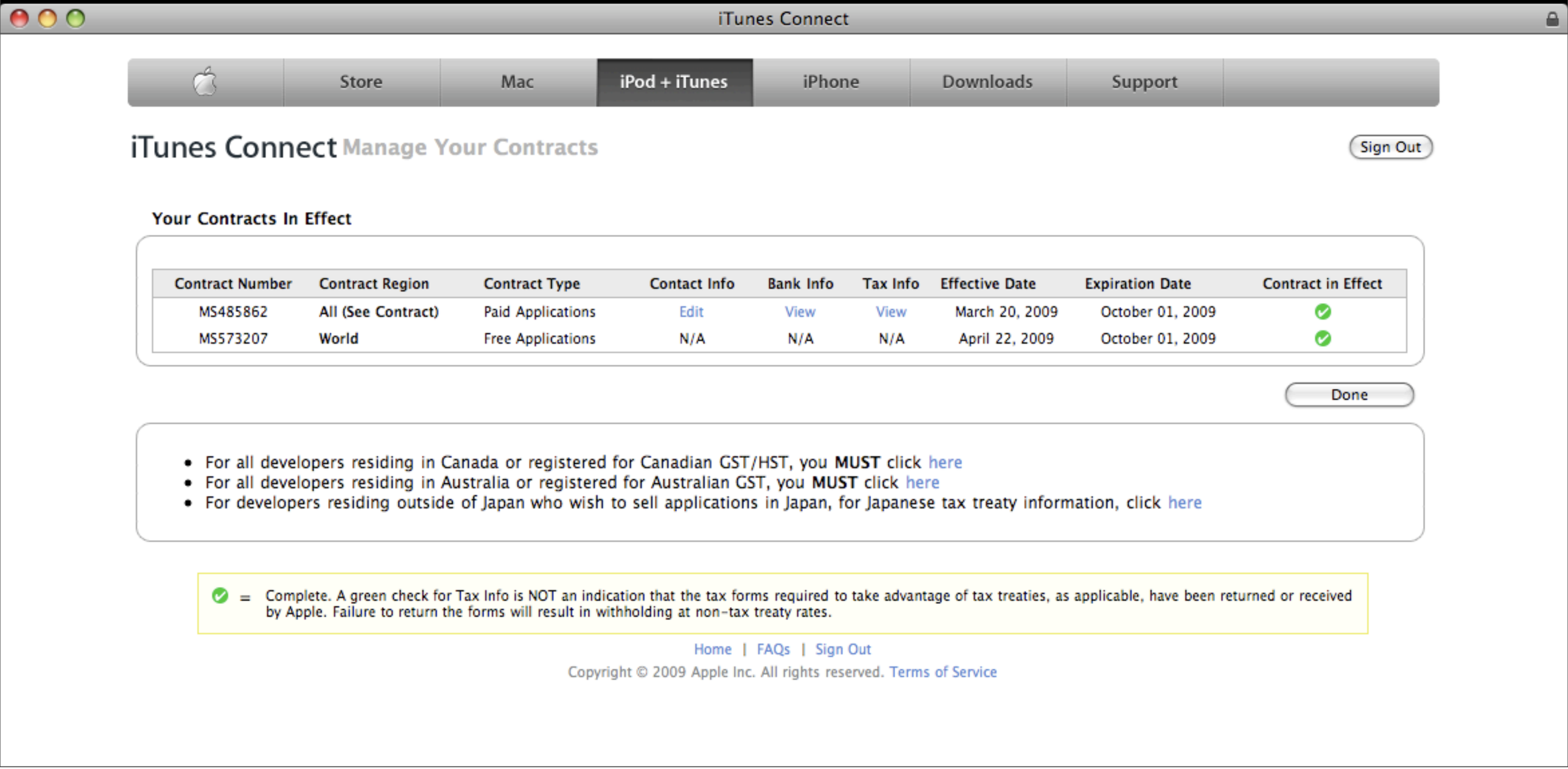
Submitting to the App Store

Preparing for Distribution

iTunes Connect



Before You Start Coding!



Set Your App Apart!

- Application name
- Application description
- Categories
- Copyright and version information
- Application and support URLs
- Support email
- End-user license agreement
- SKU number

Steve
APPS
0 1 2 3 4 5 6 7 8 9

Installing Your Applications

Refining Your Applications

Setting up for Development

Using iPhone OS 3.0 Features

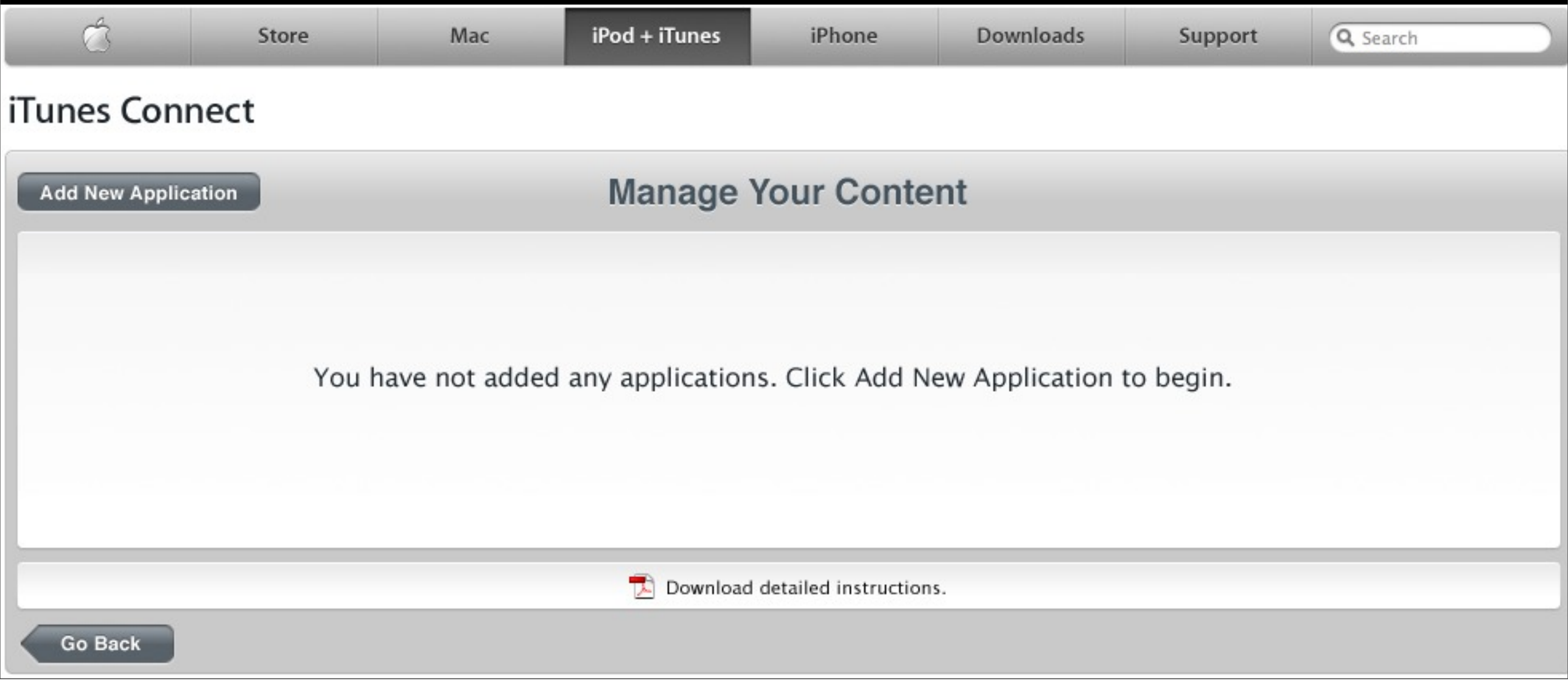
Preparing for Distribution

Submitting to the App Store

Building for Distribution

+

Managing Your Application



Demo

Building your distribution application with Xcode

Clark Cox

Release Postmortem

Christian Wagner

Apple Developer Connection - iPhone Dev Center - Overview

http://developer.apple.com/iphone/manage/overview/index.action

Google

Store | Mac | iPod + iTunes | iPhone | Downloads | Support

iTunes Connect

View History

Promotional Codes

Select an application and enter the number of codes you are requesting. You are given 50 codes for each version of an application. They are for non-commercial use and will expire four weeks after they are requested. These codes can only be used in the U.S. iTunes Store.

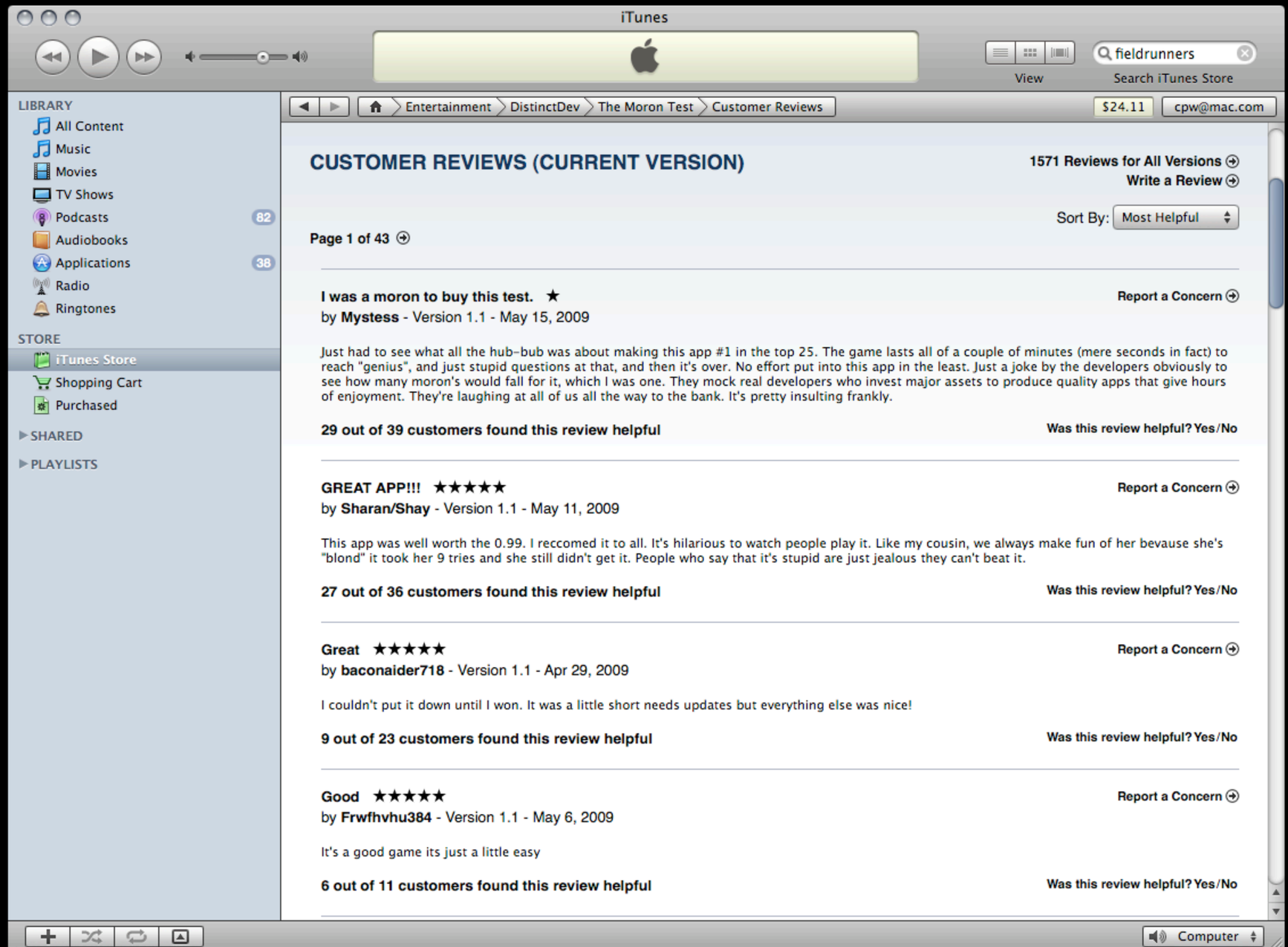
Application : Touch Fighter - 1.0

Number of Codes :

48 codes remaining

Go Back

Continue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Page 1 of 43
I was a moron to buy this test. ★
by Mystess - Version 1.1 - May 15, 2009
Report a Concern
Just had to see what all the hub-bub was about making this app #1 in the top 25. The game lasts all of a couple of minutes (mere seconds in fact) to reach "genius", and just stupid questions at that, and then it's over. No effort put into this app in the least. Just a joke by the developers obviously to see how many moron's would fall for it, which I was one. They mock real developers who invest major assets to produce quality apps that give hours of enjoyment. They're laughing at all of us all the way to the bank. It's pretty insulting frankly.
29 out of 39 customers found this review helpful
Was this review helpful? Yes/No
GREAT APP!!! ★★★★★
by Sharan/Shay - Version 1.1 - May 11, 2009
Report a Concern
This app was well worth the 0.99. I reccomed it to all. It's hilarious to watch people play it. Like my cousin, we always make fun of her bevause she's "blond" it took her 9 tries and she still didn't get it. People who say that it's stupid are just jealous they can't beat it.
27 out of 36 customers found this review helpful
Was this review helpful? Yes/No
Great ★★★★★
by baconaider718 - Version 1.1 - Apr 29, 2009
Report a Concern
I couldn't put it down until I won. It was a little short needs updates but everything else was nice!
9 out of 23 customers found this review helpful
Was this review helpful? Yes/No
Good ★★★★★
by Frwfhvhu384 - Version 1.1 - May 6, 2009
Report a Concern
It's a good game its just a little easy
6 out of 11 customers found this review helpful
Was this review helpful? Yes/No
Computer

Apple Developer Connection – iPhone Dev Center – Overview

http://developer.apple.com/iphone/manage/overview/index.action

Google

Touch Fighter 1.0 Crash Reports as of Jun 08, 2009

iPhone OS 2.2.1

Crashes and Freezes

These are the most frequent crashes for the current version of your application since it became available in the App Store.

Most Frequent Crash

1. Touch Fighter: 0x
2. Touch Fighter: 0x
3. Touch Fighter: 0x
4. GraphicsServices
5. UIKit: -[UITableV _canSelectRowCo
6. Touch Fighter: 0x
7. Touch Fighter: 0x
8. Foundation: -[NS addIndexesInRan
9. Touch Fighter: 0x
10. Touch Fighter: 0x

Timeouts

Timeout on Launch

Timeout on Quit

Force Quit by User

Memory

These are the memory iss

Organizer

Build Clean Run Action

PROJECTS & SOURCES

DEVICES

IPHONE DEVELOPMENT

Crash Logs

Install Bundles

Provisioning Profiles

Application

Application	Type	Date/Time
Maps, MobilePhone	Low Memory	4/12/09 12:13 PM
Mobile News	Crash	12/28/08 10:25 AM
Mobile News	Crash	12/24/08 12:32 AM
Mobile News	Crash	9/27/08 12:41 PM
Mobile News	Crash	9/22/08 7:53 PM
Mobile News	Crash	9/18/08 9:02 PM
Mobile News	Crash	9/17/08 7:02 PM
Mobile News	Crash	9/16/08 11:38 PM
Mobile News	Crash	9/16/08 11:13 PM

```
Incident Identifier: 387FB69E-D78B-4F2B-8CFD-8C82A195FEDC
CrashReporter Key:  86b41f3ea8699b3309b673f58ad0e6bf0233a125
Process:         Mobile News [578]
Path:            /var/mobile/Applications/BD15FAD1-2296-4BD4-B091-AB0EE42743BD/Mobile News.app/Mobile News
Identifier:      Mobile News
Version:         ??? (???)
Code Type:       ARM (Native)
Parent Process:  launchd [1]

Date/Time:       2008-09-18 21:02:30.882 -0700
OS Version:      iPhone OS 2.1 (5F136)
Report Version:  103

Exception Type:  EXC_CRASH (SIGABRT)
Exception Codes: 0x00000000, 0x00000000
Crashed Thread:  0

Thread 0 Crashed:
0   libSystem.B.dylib               0x31454b3c mach_msg_trap + 20
1   libSystem.B.dylib               0x31451c08 mach_msg + 60
2   CoreFoundation                  0x30269788 CFRunLoopRunSpecific + 1042
3   CoreFoundation                  0x30269360 CFRunLoopRunInMode + 44
4   GraphicsServices                0x315506bc GSEventRunModal + 268
```

Related Sessions

Publishing on the App Store	Presidio Friday 2:00PM

In Conclusion

Installing Your Applications

Refining Your Applications

Submitting to the App Store

Setting up for Development

Using iPhone OS 3.0 Features

Preparing for Distribution

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Related Labs

Managing the iPhone Development Process Lab	iPhone Lab A Thursday 3:30PM

More Information

Michael Jurewitz
Developer Tools and Performance Evangelist
jurewitz@apple.com

Documentation
Xcode Quick Tour for iPhone OS
Technical Note TN2151: Crash Reporting for iPhone OS Applications
http://developer.apple.com/iPhone

WWDC09